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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/894,018	06/27/2001	Alessandro Sette	2060.0320003	7107
50710 7	7590 08/15/2006	EXAMINER		
STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C. 1100 NEW YORK AVE.			ALLEN, MARIANNE P	
	ON, DC 20005		ART UNIT	PAPER NUMBER
			1647	
			DATE MAILED: 08/15/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	09/894,018	SETTE ET AL.
Office Action Summary	Examiner	Art Unit
	Marianne P. Allen	1647
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
 1) Responsive to communication(s) filed on <u>02 Ju</u> 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowar closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro	
Disposition of Claims		
4) ☐ Claim(s) 27-32,34,36,59,62-74,77,78 and 81-8 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 27-32, 34, 36, 59, 62-74, 77-78, and 8 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration. 31-83 is/are rejected.	n. ·
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correct and the correct of the contract	epted or b) objected to by the I drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date S. Patent and Trademark Office	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	

DETAILED ACTION

Applicant's arguments filed 6/2/06 have been fully considered but they are not persuasive.

Claims 81-83 have been newly added. Claims 27-32, 34, 36, 59, 62-74, 77-78, and 81-83 are under consideration by the examiner.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

The rejection of claims 27, 32, 34, 36, 59, and 72 under 35 U.S.C. 102(b) as being anticipated by Bergmann et al. (Reference NPL151) is obviated by applicant's amendment to the claims.

The rejection of claims 27, 59, and 72 under 35 U.S.C. 102(b) as being anticipated by Whitton et al. (Reference NPL165) is obviated by applicant's amendment to the claims.

Claim Rejections - 35 USC § 112

Claims 27-32, 34, 36, 59, 62-74, 77-78, and 81-83 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. This is a new matter rejection.

The claims have been substantively amended and basis has been stated to be on page 34, lines 1-7, and page 36, line 17, through page 37, line 13. However, this is not agreed with.

Original claims 27 and 28 had a limitation requiring that the flanking or spacer amino acid residue prevents the occurrence of a CTL or HTL junctional epitope. This concept has been removed from the claims by the current amendment. Basis is not seen for the broader concept. Claims 72 and 73 are not originally filed claims and also do not include the limitation that the flanking or spacer amino acid residues prevent the occurrence of a CTL or HTL junctional epitope. Note that when spacers are discussed throughout the specification it is always in the context that they prevent the occurrence of CTL or HTL junctional epitopes.

Claims 27 and 72 have been amended to recite "selecting five or more epitopes." Basis is not seen for this concept. Page 28, line 13, discloses at least 10 CTL or HTL epitopes but five is not seen.

As set forth in the last Office action, basis for claims 59, 74, 77-78 is not seen. Pages 36-37 discuss analysis of a particular construct and not a general concept. The general steps set forth in these claims do not appear to be disclosed.

Claim Rejections - 35 USC § 102

Claims 28-29, 63, 73, and 78 are rejected under 35 U.S.C. 102(e) as being anticipated by Sette et al. (U.S. Patent No. 6,689,363 B1).

The applied reference has a common inventor with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the

inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Sette et al. discloses linking multiple CTL and HTL epitopes by small spacer molecules such as Ala or Gly. The corresponding minigenes are also disclosed. The patent discloses designing multi-epitope constructs in order to avoid junctional epitopes. Four class I and four class II epitopes are disclosed as being incorporated into a minigene for expression. See at least abstract; column 32; Examples 9-10 at columns 43-45; Example 14 at column 47; and claims.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marianne P. Allen whose telephone number is 571-272-0712. The examiner can normally be reached on Monday-Thursday, 5:30 am - 1:30 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brenda Brumback can be reached on 571-272-0961. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Marianne P. Allen
Primary Examiner
Art Unit 1647

Art Unit 1647

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